IN THE CLAIMS:

Please amend the claims as shown in the following claims listing.

1. (Currently amended) Dual mode radio frequency reception device of the type enabling simultaneous reception firstly of multi-carrier digital audio broadcast (DAB) signals in a first frequency band (11), and secondly, radio global positioning signals (GPS) in a second frequency band (12), (13), the device comprising a single preprocessing module (21), including a pass-band antenna filter (211) in which the pass-band includes at least ~~the~~ said first and said second frequency bands, simultaneously outputting firstly to a first processing system (22) for processing the multi-carrier digital audio broadcast (DAB), and secondly to a second processing system (23) for processing the said radio global positioning signals (GPS), and simultaneously displaying the processed multi-carrier digital audio broadcast (DAB) signals and the processed radio global positioning signals (GPS).

2. (Currently amended) Device according to claim 1, characterized in that ~~the~~ said single preprocessing module (21) also comprises at least one of the elements belonging to the group comprising:

- a first low noise amplifier (212);
- a first transposition stage (213) to a first intermediate frequency, by multiplying by a first transposition frequency;
- a second amplifier (214).

3. (Currently amended) Device according to claim [1] 2, characterized in that ~~the~~ said first processing system (22) comprises first digitization means (226) and ~~the~~ said second processing system comprises second digitization means (236), ~~the~~ said first and said second digitization means being controlled by the same analog-digital conversion frequency.

4. (Currently amended) Device according to claim 3, characterized in that ~~the~~ said first digitization means (226) include a delta-sigma pass-band modulator.

5. (Currently amended) Device according to claim 3, characterized in that ~~the~~ said second digitization means (236) include a "1-bit" quantifier.

6. (Currently Amended) Device according to ~~claims 2, 4 and 5~~ claim 3, characterized in that ~~it~~ the device also comprises a frequency synthesizer (31 to 31 a) outputting into ~~the~~ said first and said second processing systems, capable of generating at least two frequencies belonging to the group comprising:

- said first transposition frequency;
- said analog-digital conversion frequency,
- a second transposition frequency used by a second transposition stage to a second intermediate frequency included in said first processing system;
- a second transposition frequency used by a second transposition stage to a second intermediate frequency included in said second processing system.

7. (Currently amended) Device according to claim 10, characterized in that ~~the~~ said first processing system (22) is used for the reception of DAB signals and in that the second processing system (23) is used for the reception of GPS signals.

8. (Currently amended) Device according to claim 1, characterized in that ~~the~~ said first frequency band is between ~~about~~ 1452.192 MHz and 1491.392 MHz, and in that ~~the~~ said second frequency band is between ~~about~~ 1574.42 MHz and 1576.42 MHz.

9. (Previously Presented) Portable multimedia receiver, characterized in that it comprises a dual mode radio frequency reception device according to claim 1.

10. (Previously Presented) Dual mode radio frequency reception device of a type enabling simultaneous reception firstly of multi-carrier broadcast signals in a first frequency band, and secondly, radio positioning signals in a second frequency band, the device comprising a single preprocessing module, including a pass-band antenna filter in which the pass-band includes at least the first and second frequency bands, simultaneously outputting firstly to a first processing system for processing the multi-carrier broadcast signals, and secondly to a second processing system for processing the radio positioning signals, and simultaneously displaying the processed multi-carrier broadcast signals and the processed radio positioning signals.